

2700BC

The first pyramid was
built c 2700BC by King Zoser
Its construction involved
a practical knowledge
of geometry that was not
formulated in theory
for many centuries —

c 2700 BC

The Great Pyramid of Cheops was built. Covers 13 Acres & is as 42 story Bldg

The ancient Egyptian engineers established a truly horizontal surface for the foundation by cutting channels in the rock, filling them with water.

and then on a calm day, sticking in rods and measuring the water-line: then then cut the surface of the

rolls down to the waterless. Many thousands
of masons, quarrymen, and laborers toiled for
20 yrs to build this tomb, stones range in size
from 2½ to 15 tons numbering 2½ million total
the corners are almost exactly right angles and the
sides precisely face the main points of the
Compass - north, south, east, west. They hauled
huge chunks of rock (slabs) on wooden sledges
using thick ropes made of plaited reed.
Each block was slid into position on a bed of
liquid mortar. The final task of facing the
pyramid with its ever-lasting skin of lime -
stone was begun at top. On 9th Century AD
Arab workmen tunneled to the burial chamber
& found only a riddled sepulchre. They took the mummy

c 2700 B.C.

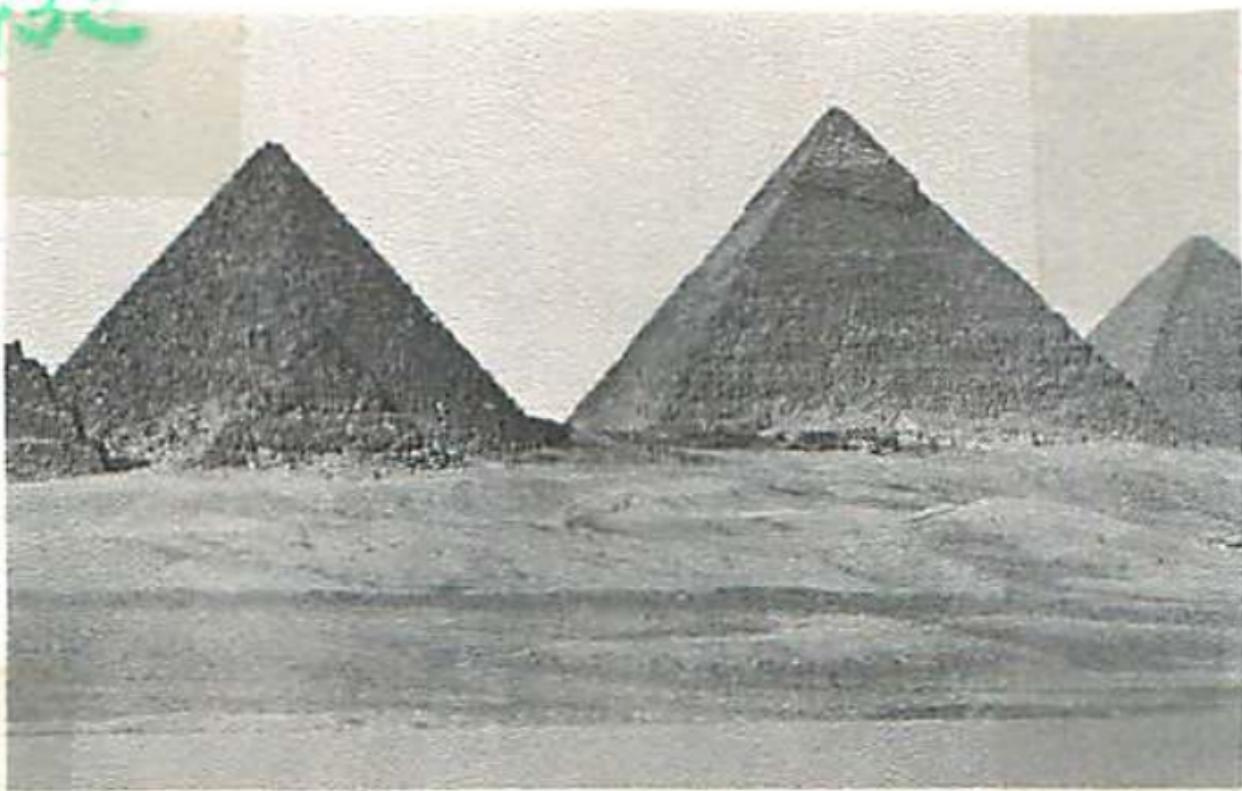
Cheops was Pharaoh. Pyramid
13 acres of land covered
1,500,000 blocks of sandstone
to a height of 40 stories (Prudential
Bldg in Chicago). Blocks of stone
ranged in size from 2 1/2 Tons to 15T
each. The whole pyramid was covered
with carefully cut slabs of polished
limestone. Piece of tissue paper would

not fit between.

Inside this Pyramid put St. Peter's,
St Paul's and Westminster Abbey (both in London)
plus Cathedral of Florence and Milan
Granite was cut at Aswan 600 mi up the
Nile; floated on barges & then 1 mi up a
supply ramp (the ramp alone took 10 yrs to build)
The Pyramid took 30 yrs. 100,000 men
worked in shifts for 30 yrs.

no wheels - no mortar

c. 2700 BC



2. Pyramids of Giza

No wheels, no mortar, just muscle

Library of Congress

2700 BC

Bristlecone pines as old as 4700 years are found in the rain shadow of the Sierra Nevada range among California's White Mtns (1040 Natural Frost.)

2700 B.C.

Cheops builds Great Pyramid
at Giza.

2700 BC

Babylonian Cal.

The Sumerians used artificial time units in referring to the tenure of some high officers — e.g. on the N-day of the term of office of PN governor. The Sumerian administration also needed a time unit comprising the whole agricultural society; for ex. from the delivery of new barley

and settling of peasant accounts to the next crop. This financial yr began about 2 months after barley cutting. For other purposes, a year began before or with the harvest. This fluctuating and discontinuous year was not precise enough for the meticulous accounting of Sumerian scribes.

2700 BC

The beverage of Tea originated in China around 2700 BC

2700BC

7 Wonders

Pyramids of Egypt
Khafre (Cheops)

2700 BC

The beverage tea originated in China.

It became popular in England, Holland, and America in the early 18th cen. A.D.

2700
c 2600 BC

Egyptian priests aligned the pyramids and a celestial body with a sighting instrument called a MERKHET

Built Cheops Pyramid: sides facing North, south, east & west.

2703 B.C.

Beginning of Egyptian Old
Kingdom

2700 BC

First Chinese bronze artifacts
(2700 BC)

c. 2700 BC
3000 BC

About 5 000 yrs ago, the Egyptians built what is still today the world's biggest clock. It was designed to measure time in hours, days, seasons, and even centuries. It is the Great Pyramid of Cheops built in 27th century BC. Probably the world's oldest astronomical observatory on the ground adjoining the

northern and southern faces, wide, level pavements, or "shadow floors" had been constructed. In winter the pyramid cast its shadow on the pavements to the north & in summer its highly plane polished southern face would reflect only the pavement to the south.

The day could be measured and such seasonal points as the equinoxes and solstices accurately forecast. The descending passage that leads down to a pit in the heart of the pyramid was set at an angle of $26^{\circ} 17'$, the exit alignment to aim it at the Pole Star (not the existing Polaris).

2700 BC

When the Great Pyramid was built, the Egyptian Pole Star was THUBAN in the constellation of the Dragon.

But as the earth has moved, so the Great Pyramid has moved with it and aligned itself on Polaris, the new Pole Star.

2700 BC

Silk weaving in China

2700 BC.

The oldest written ^{Egypt.} "story" in the world.

A peasant robbed through a legal trick by the favorite of a royal officer, appeals to the judges and finally to the king. The king commands redress & urges his officer to do justice "like a praiseworthy man praised by

preservability"

2700 BC
C 2600 BC

Egypt, the giant on the Nile was
the first great power to stretch out its
tentacles toward Canaan

We brought 40 ships laden with cedar trunks
We built ships of cedarwood. We made
the doors of the king's palace of cedarwood
note: from a tomb inscription about 2700 BC
from reign of Pharaoh SNEFRU (Hard
black slabs - in museum in Palermo)

Dense woods covered the slopes of Lebanon. The excellent wood from its cedars and merk, a kind of conifer, were just what the Pharaohs needed for their building schemes

2700 BC

Pyramids built in Egypt

2700 - 2000 BC

In south of Mesopotamia,
the dynasty of Ur.

2700 BC

GILGAMESH became the most famous hero of SUMER'S Heroic Age.

3700BC

When the great pyramid was built, the passageway leading down to the heart of the pyramid was set at $26^{\circ} 17'$, the exact alignment to aim it at the Pole Star.

At that time, the Pole Star was THUBAN in the constellation of the Dragon.

Now, it aligns in Polaris.

2700 BC

Egypt

Old Kingdom began Ca 2700 BC
lasted some 550 years

Population was probably
between 1 M & 1.5 M

1×10^6 to 1.5×10^6

Less than 1% was literate

C2700-2550 BC

Smithsonian 1980 Apr 1986

The moment he ascended the throne, it was traditional for an Egyptian Pharaoh to start building a magnificent pyramid to become his memorial and final resting place.

Early conception that men were slaves has been largely rejected by

Egyptologists, who now believe they were mostly peasants drafted on a rotating basis for stints of several months each year.

They believe the great bulk of stone was in fact quarried right on the plateau. They have even traced some of the stones to their original sites.

27088C

1912 Dates J-BK

Records show cultivation of
Soy Bean in China

2700BC

Great Pyramid of Cheops was
built

42 stories high - covers 13 acres of desert
 $2\frac{1}{2}$ million stones weighing $2\frac{1}{2}$ to 15 tons

Used the lever, the roller, the inclined plane.

Sledges were used through the sand.

Almost perfect right angles in corners
lined up - north, south, east, west.

2700 B.C.

Wonders of
Ancient World

PYRAMIDS of EGYPT

Were started by KHUFU (CHEOPS) around 2700 B.C. as tombs for the ancient Kings. The three largest and finest were erected during the Fourth Dynasty, at GIZEH, near CAIRO. The largest of the group is the KHUFU PYRAMID, built of limestone blocks from a base 756 ft wide on each side and covering an area of 13 acres. It is 482 ft high.

Smaller pyramids were built for
wives and other members of the
royal families

c. 2700 to 2550 BC

Pharaohs of 4th Dynasty managed to quarry & transport 11 million cubic yards of stone & fashion them into Pyramids, temples, causeways, without the aid of either beasts of burden or the wheel.

Pharaoh Khufu (called Cheops by the Greeks) began the first

structures there; the Great
Pyramid.

Ca 2700 BC

ABYDOS

The Tombs of Kings from late
predynastic times to end of
Dynasty II (Ca 2700 BC).

Abutting temple of SETI I (1291-
1279 BC) with OSIREION

c2700BC

Third Dynasty step Pyramid
of King SEKHEMKHET at Saqqara
When tomb was opened they
found that the coffin was empty
and always had been.

2700 B.C.

Third Dynasty starts 2700 B.C.

2700 BC

Agriculture reaches China; royal inscriptions appear in Sumer; Sumerian script used in Akkad; Sumerian fashions prevalent in Mari

2700 BC

The North Star was the star THUBAN
in constellation DRACO

270BC

Phoenician navigators began to venture into seas beyond the Mediterranean.

2700 B.C.

SUMERIA

Great libraries had been formed in Sumeria.

AT TELLO, for ex. De Sarzec discovered a collection of over 30,000 tablets

2700BC

Sargon was ruler of
Mesopotamia. He was the subject of
several epics

The full assembly of citizens
backed Sargon - overruling the
elders

C 2700-2300BC

Early Bronze Age II

Was a troubled time. Many cities were attacked, partly destroyed, and rebuilt; some several times.

Decreasing rainfall and soil erosion brought about by DEFORESTATION & PRIMITIVE AGRICULTURE may have led to disputes between cities over prime agricultural land. Fine

finally destroyed Early Bronze Age II
TERRACOTAS

At Megiddo, partial occupation
of the site continued after the
end of EBII

By the end of EBII urban
society had entirely collapsed
Egypt had suffered a temporary
decline.

2700 BC

Battle Wagons - Western Asia (Ur)

2700 BC

There arose in AKKAD a Semitic
prince SHARGBANI, who was
clearly the original of the partly
mythical hero SARTSON the
traditional founder of the Semitic
powers in Mesopotamia.

He united SUMER & AKKAD
under his sway
After him came NARAM SIN

2700 BC

Ancient Egyptian skull showing
damage from cancer to bone of
palate and jaw.

2750-2180 BC

Old Kingdom - Period Egypt
Dynasties III, IV, V & VI

2700 BC

ARCH was 1st used

Egypt - The Old Kingdom (c. 2700-2200 B.C.)

constructed pyramid tombs

produced world's first known solar calendar, kept records & discovered

that the average period between inundations was 365 days. Noted Nile flood coincided with the annual appearance of the dog star (Sirius) in eastern horizon at dawn

JULIUS CAESAR IN ROMAN TIMES
CORRECTED BY ADDING AN EXTRA
DAY EVERY FOUR YEARS

2700 BC

KHUFU (CHEOPS) rules Egypt
and builds the GREAT PYRAMID
at GIZA

4700 yrs ago (2700 BC)

Thus were human beings buried at
much the same time as the donkeys, and
by 4700 yrs ago (2700 BC) entombing Sumerian
royalty at Ur required the daughter
of courtesies, guards, and especially women.

C 2700 BC

Egyptian trade with BYBLOS began.

2700 BC

Copper in common use in
Egypt.

Pictiles used in graves as
part of funerary arrangements.